Applicants:

(b)

Collin J. Weber, et al.

Serial No.:

09/049,865

Filed:

March 27, 1998

page 2

(New) A method for transplanting into a subject a viable xenogeneic cell or tissue comprising:

Color (a)

transplanting the cell or tissue into the subject, wherein the cell or tissue is surrounded by a semipermeable membrane that is impermeable to immunoglobulins; and

treating the subject with a prophylactically effective amount of an agent which inhibits an immune system costimulation event mediated by a cell surface molecule selected from the group consisting of B7, CD28, CTLA4 GP39, CD40 and CD4, so as to inhibit the destruction of the transplanted cell or tissue by the subject's immune system.

Se Carre

(New) The method of claim 48, wherein the semipermeable membrane comprises polylysine-alginate.

30.

(New) The method of claim 48, wherein the semipermeable membrane is a microcapsule.

-(New) - The method of claim 48, wherein the semipermeable membrane is double-walled.

5/2

(New) The method of claim 48, wherein the agent is CTLA4

5g.

(New) The method of claim 48, wherein the agent is CTLA4Ig,

5/1.

(New) The method of claim 48, wherein the agent is (GK1.5)

Human,

03

Applicants:

Collin J. Weber, et al.

Serial No.:

09/049,865

Filed:

March 27, 1998

page 3

بلوها

(New) The method of claim 48, wherein the agent is MR1.

6.

(New) The method of claim 48, wherein the subject is a mammal.

81.

(New) The method of claim 48, wherein the subject is selected from the group consisting of a cow, a calf, a pig, a sheep, a lamb, a horse, a chicken and a human.

(g4 58.

(New) The method of claim 57, wherein the subject is a human.

59.

(New) The method of claim 48, wherein the xenogeneic donor is a mammal.

9

(New) The method of claim 59, wherein the mammal is selected from the group consisting of a pig, a cow, a calf, a sheep, a lamb and a human.

61.

(New) The method of claim 48, wherein the viable cell or tissue secretes a hormone which promotes growth in an animal.

6) 82.

(New) The method of claim 48, wherein the viable cell or tissue comprises an endocrine cell.

6.9 83.

(New) The method of claim 62, wherein the endocrine cell or tissue is selected from the group consisting of an insulin-producing cell or tissue, a hepatocyte or hepatic tissue, a parathyroid cell or tissue and a pituitary cell or tissue.

γ0 64.

(New) A method for transplanting into a subject a viable

Applicants:

Collin J. Weber, et al.

Serial No.:

09/049,865

Filed:

March 27, 1998

page 4

xenogeneic cell or tissue comprising:

(a) transplanting the cell or tissue into the subject, wherein the cell or tissue is surrounded by a semipermeable membrane that is impermeable to immunoglobulins; and

(b) treating the subject with a prophylactically effective amount of CTLA4Ig, so as to inhibit the destruction of the transplanted cell or tissue by the subject's immune system.

## REMARKS

Claims 1, 2, 4-7, 9-14, 16, 17, 20, 23 and 43-47 are presently pending. Applicants have hereinabove canceled claims 1, 2, 4-7, 9-14, 16, 17, 20, 23 and 43-47 without prejudice, and added new claims 48-64. New claims 48-64 have been added in order to incorporate certain format changes. Upon entry of this Amendment, claims 48-64 will be pending and under examination.

New claim 48 corresponds to claims 1 and 20. New claim 52 corresponds to claims 2, 45 and 47. New claim 59 corresponds to claims 9 and 10. New claims 60-63 correspond to claims 13, 14, 16 and 17, respectively. Finally, new claim 64 corresponds to claims 1, 45 and 47.

Support for new claim 48 can be found in the specification at, inter alia, page 27, lines 4-28; page 29, lines 11-14; page 37, lines 10 and 11; page 38, lines 27-34; and page 50, line 20 through page 51, line 9. Support for new claim 49 can be found in the specification